PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Confirmation No. 3460

Mitsuru UMEKIDA

Atty. Docket No. 100725-00102

Serial No.: 10/659,742

Examiner: Footland, Lenard

Filed: September 11, 2003

Art Unit: 3682

For: WHEEL BEARING DEVICE

FAX RECEIVED

INFORMATION DISCLOSURE STATEMENT

APR 0 8 2005

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Date: April 8, 2005

OFFICE OF PETITIONS

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is nereby directed to the information item(s) listed on the attached Form PTO-SB08. Unless otherwise indicated herein, one copy of each item(s) is attached. respectfully requested that the information be expressly considered during the prosecution of this application, and that the item(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

X	merits	This Information Disclosure Statement is being filed (a) within three months U.S. filing date, OR (b) before the mailing date of a first Office Action on the in the present application, OR (c) accompanies a Request for Continued ination. No certification or fee is required.						
		2. This Information Disclosure Statement is being filed more than three mont after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.						
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N0. 6440 P. 7 U.S. Patent Application No. 10/659,742 Docket No. 100725-00102

		c. A check in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account No 01-2300 as needed to ensure consideration of the disclosed information.						
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		a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).						
		b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any Individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).						
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		Respectfully submitted,						
	,	Muret Ozgu Registration No. 44.275						
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Fax: MO/e		38-4810						
	sures:	PTO Form SB/08a w/4 listed references EP Search Report dated March 22, 2005 Petition to Withdraw Patent Application from Issue Request for Continued Examination						
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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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<u> </u>	Substitute for form 1449/			Complete if Known			
				Application Number	10/659,742		
	INFORMATIO			Filing Date	September 11, 2003		
STATEMENT BY APPLICANT				Firet Named Inventor	Mitsuru UMEKIDA		
	Form P	TO/SB/08a)	Art Unit	3682		
				Examiner Name	Footland, Lenard		
Sheer	1	of	1	Attorney Docket Number	100725-00102		

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Signature	Considered	

^{*}EXAMINER Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. *Unique citation designation number. *See attached Kinds of U.S. Petent Documents. *Enter Office that issued the document, by the two-letter code. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the certain number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark near if English language translation is attached. AB indicates that only an English language abstract is attached. 294887_1.DOC



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Annener/Appleant/Cemandeur/Patentinhaber/Proprietor/Titulalre
NTN CORPORATION

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents clted in the European search report is (are) enclosed as well

The following specifications given by the applicant have been approved by the Search Division:

abstract

X title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





EUROPEAN SEARCH REPORT

Application Number EP 03 25 5877

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	The present search report has	been drawn up for all claims		
	Paoi of search	Date of completion of the search	j	Examiner
	The Hague	14 March 2005		inneste, M
Yp	CATEGORY OF CITED DOCUMENTS larticularly relevant if taken alone enticularly relevant if combined with anot ocument of the same category echnological background	E : earliar pala after the fili ther D : document o L : document o	ated in the application of the contract of the	rblished on, ar on

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 03 25 5877

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on

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14-03-2005

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82



ABSTRACT / ZUSAMMENFASSUNG / ABREGE

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A wheel bearing device to ensure a sufficient durability and life even with the application of bending moment acting on the wheel bearing device. An outer joint member (41) of a constant velocity joint is fitted into the inside of a wheel hub (10) and a portion thereof is swaged radially outward by plastic deformation to unite the wheel hub and the outer joint member. The outer joint member (41) includes a pilot part (35) adjacent the plastically deformed portion, and the ratio of an inside diameter Φ d2 of the pilot part to an inside diameter Φ d1 of the plastically deformed portion is set 1.110 or less.